



**Glucose tolerance in WT and CathA<sup>S190A-Neo</sup> mice before and after exposure to HFD for 7 weeks.** Four-month-old WT (A, C) (n=11) and CathA<sup>S190A-Neo</sup> (B, D) (n=10) male mice received ad libitum HFD for 7 weeks. IGTT was conducted before (A, B) and after (C, D) exposure to HFD in both groups of mice by intraperitoneal injection of glucose, 2 g/kg of body weight after an overnight fast. Blood from the tail vein was analyzed for glucose levels using an automatic glucometer at 0, 30, 60, 90, 120 and 180 min. After the test, mice were randomly separated into 2 equal groups receiving ambroxol or saline treatment.